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NRO REVIEW COMPLETED

19 March 1962

MEMORANDUM FOR THE DIRECTOR

SUBJECT : Itak Cost Proposal for (X-2) Single Lens Stereo  
40° Panoramic System

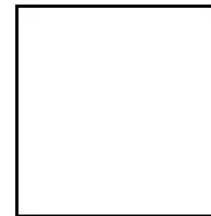
1. Brief Description: Itak proposes to develop a 40 inch, f/3.5, Petzval lens (scaled up from the 5" lens) in a base-trunk arrangement in order to permit a single lens (weighting about 100 pounds) to service two separate film plates in a panoramic convergent stereo action. This system would utilize two each 7000' rolls of 5 inch polyester base film. Total weight was estimated at about 230 pounds for the camera system alone. This weight includes payload, but does not include recovery system, fairing, airtank or other associated items.

2. Cost Data: This is rough cost data and subject to change:

a. Lens (Three months)

- (1) Design
- (2) Glass (2 sets)
- (3) Test plates

Total

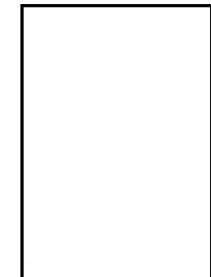


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b. Lens Hardware (Nine months)

- (1) Lens fabrication and assembly
- (2) Cell design and fabrication
- (3) Handling tools and fixtures

Total



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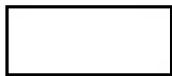


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Page 2

c. Scanning drive, "track": (Six months)

- (1) Engineering and design
- (2) Assembly
- (3) Test

Sub-total



(Notes: This engineering could be covered under the [redacted] contract)

- (4) Fabrication
- (5) Material

Sub-total



Total

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3. Summary Cost: If we utilize Contract [redacted] for some of the engineering cost, the total additional cost to go this far would be about [redacted]

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cc: DCAF (Major, Howard)

Distributions:

- 1-DB/DPD
- 2-C/DB/DPD
- 3-SA/TA/DPD
- 4-CONTR/DPD
- 5-USAF
- 6-SPB/DPD
- 7-RI/DPD
- 8-DB/Chrono

DPD/DB [redacted]

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